

Los Alamos Neutron Science Center Call for Proposals for Run Cycle from August 15, 2005-December 23, 2005

You are invited to submit a proposal to apply for beam time at the Los Alamos Neutron Science Center (LANSCE). **The deadline for submitting the proposals is 9:00 a.m. Mountain Standard Time, Monday, May 6, 2005.** These proposals will be considered for beam time that will be available between mid-August 2005 and December 23, 2005.

Instruments/flight paths available in the current call for proposals are:

Manuel Lujan Neutron Scattering Center

1. Polarized Beam Reflectometer (Asterix)
2. Filter Difference Spectrometer (FDS)*
3. High-Intensity Powder Diffractometer (HIPD)*
4. High-Pressure Preferred Orientation Diffractometer (HIPPO)
5. Low Q Diffractometer (LQD)*
6. Neutron Powder Diffractometer (NPDF)
7. Protein Crystallography Station (PCS)
8. High-Resolution Chopper Spectrometer (Pharos)
9. Spectrometer for Materials Research at Temperature and Stress (SMARTS)
10. Surface Profile Analysis Reflectometer (SPEAR)

***FDS, HIPD, and LQD have reduced availability:** these instruments will be available for 1/2, 1/2, and 2/3 of the run period, respectively.

Proposals for the following instruments will be accepted, although user support will be very limited:

11. Single Crystal Diffractometer (SCD)
12. Transmission Spectroscopy (Flight Path 5)

Weapons Neutron Research Facility

1. Target 1: Flight path 5 (1FP5)
Flight path 14 (DANCE) capture reactions, fission
2. Target 2: (Blue Room, proton irradiations)
3. Target 4: Flight Path 90L (4FP90L)
Flight Path 30L (4FP30L) ICE House. Single event effects
Flight path 15L (4FP15L)
Flight path 15R (4FP15R)
Flight path 30R (4FP30R) FIGARO, (n,z) reactions
Flight path 60R (4FP60R) GEANIE

Because of their impact on the overall user program, proposals for sole use experiments (i.e., those that require dedicated facility operation) should be discussed with the management of WNR

so that policies associated with such experiments and the prospect of them being accommodated can be explained.

Proposal Guidance and Submission

Detailed instructions for preparing the proposals can be found on the LANSCE website (lansce.lanl.gov) by clicking on LANSCE User Program. Please assure that you address all of pertinent items listed under “What Your Proposal Must Contain.” During the review of proposals submitted for the first phase of the 2005 run cycle, the Program Advisory Committees that conducted the reviews found some of the proposals deficient in one or more of the areas specified. This made it difficult to judge the scientific merit of these proposals. We also need to be in a position to demonstrate that beam time we award goes to the most compelling science. We can only do this if the proposals thoroughly address all of the necessary criteria.

Proposals must be submitted using the process on the LANSCE website; only proposals submitted in this manner will be accepted. To access the proposal submission site, click on “Submit Your Proposal” box in the center of the LANSCE User Program web page. This will open a page entitled **Proposal Submission Process**. Click on Step 3 (submission), which will lead you to proposal submission site. Clicking here allows you to enter the proposal on-line into our database. The proposal must list publications that resulted from previously allocated instrument time.

Classified proposals must be submitted in hard copy. They should be submitted to:

Los Alamos National Laboratory
Mail Station 5000
LANSCE User Office c/o MS H803
Los Alamos, NM 87545
or hand carried to TA-53, Bldg. 1, room D108.

Student Travel Support

Travel support is available for students to observe or participate in an experiment via the STONE (Student Travel Opportunities for Neutron Experiments) Program. For information about this program go to the LANSCE User Program web page. Under the pull down menu labeled Information and Resources you will find information on Financial Assistance. Instructions about how to apply for support from the STONE program are found here.

Should you have any questions or require assistance, please contact the LANSCE User Office by e-mail at http://www.lansce_users@lanl.gov/ or by telephone at (505) 665-1010.